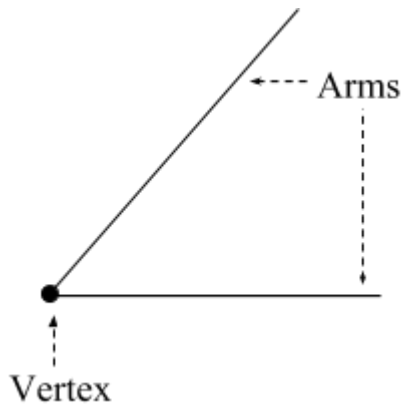


Date: _____

Grade 7: Math

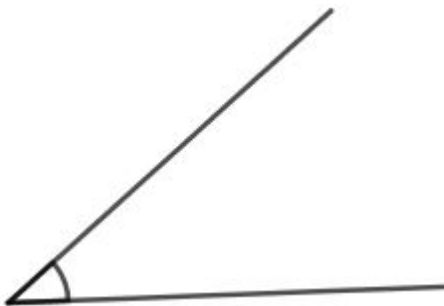
4.4 Geometry: Constructions

- **Definition:** An angle is the measure of how far apart two lines (or line segments) intersect.
- An angle has two **arms** which meet at a **vertex**.



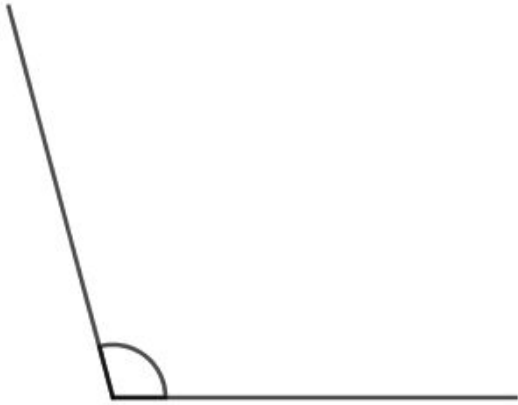
- Use a protractor to draw an angle that measures 45° , 75° , 115° , 175° , 225° .

- Use a protractor to measure the angle drawn below.



- Find the degree measure of each angle.

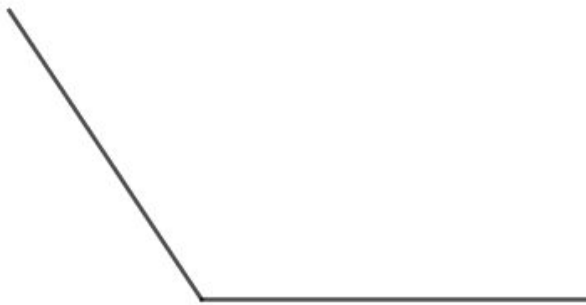
1.



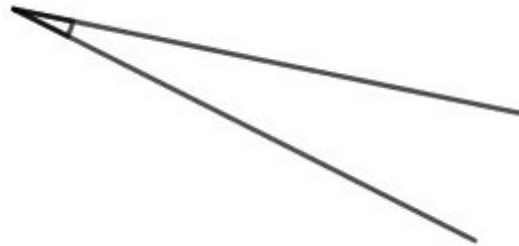
2.



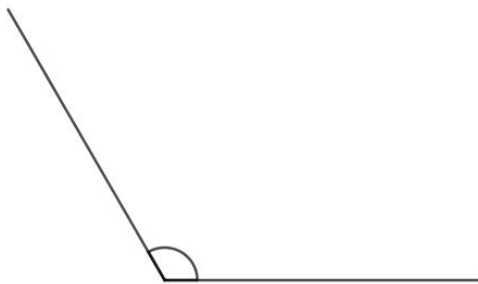
3.



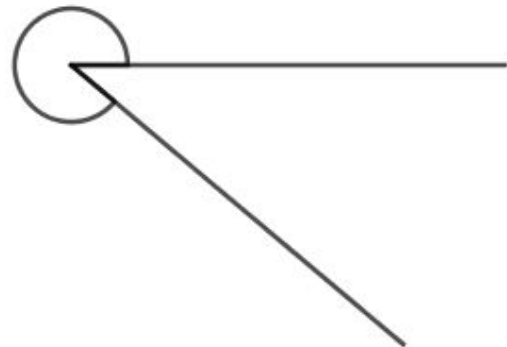
4.



5.



6.



- Bisect each of the angles #1-5 above.

- Definition: A perpendicular bisector of a line is a line perpendicular to the given line and bisects the line (i.e. passes through the mid point of the line).
- Draw the perpendicular bisector of the lines below.

1.



2.



3.



4.



5.



6.



7.



8.



9.



10.



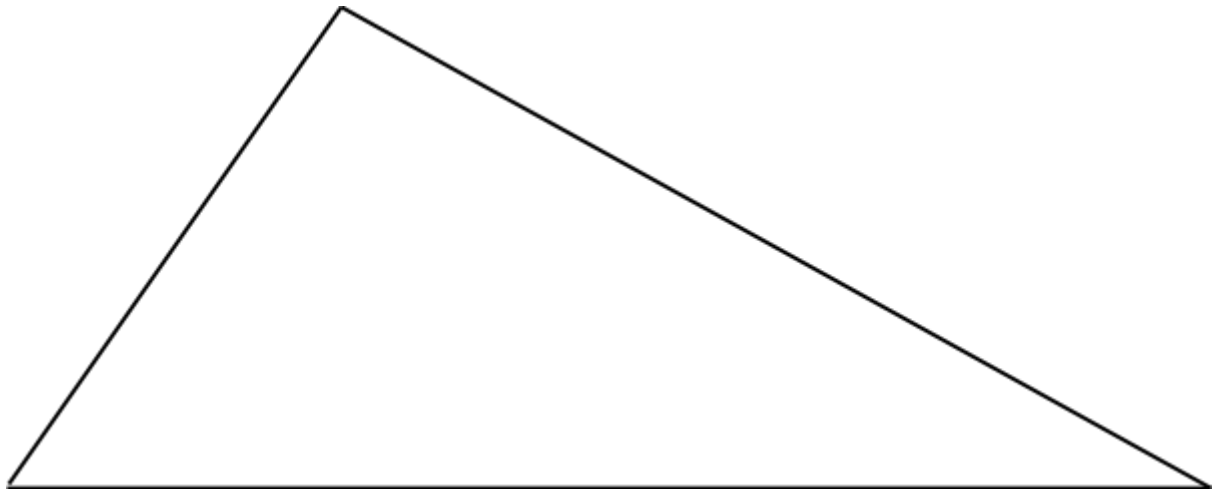
11.



12.



- Draw angle bisectors of all the angles of the triangle below.



- Draw perpendicular bisectors of all the sides of the triangles below.

